

PATENT ABSTRACTS OF JAPAN

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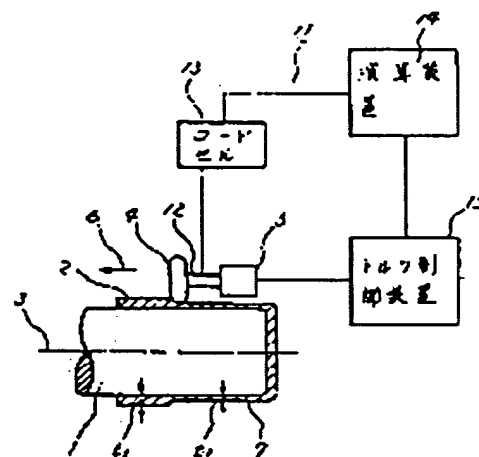
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(54) FORMING METHOD BY SPINNING

(57)Abstract:

PURPOSE: To manufacture a high-precision thin tube body with uniform thickness in a spinning forming method, by detecting the deviated thickness pattern of a tube body to be worked from a working force applied to a working roller, and thus controlling the torque of a roller driving motor.

CONSTITUTION: A thick cylindrical workpiece 2 is rotated by being fitted to a mandrel 1, and while a motor 5 is rotated, it is allowed to abut on the work piece 2 from one end to start spinning formation. At this time, the pattern output of a load cell 13 which detects a working force applied to the roller 4 due to variation in the thickness of the workpiece 2 is supplied to an arithmetic device 14 and processed according to a preset arithmetic program to supply the output to a torque controller 15. On the basis of this input, the torque of the motor 5 is controlled to regulate the draft of the roller 4, thus obtaining a thin tube body 7 which is free of deviated thickness and has uniform thickness.



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